

Amendments to the Claims:

This listing of claims replaces all prior listings, and versions, of claims in the application.

Listing of Claims:

1. (Currently amended) ~~Apparatus for a~~ A mobile node part of a radio communication system having a network part and ~~[[a]]~~ the mobile node part, the network part having a network-copy of a database containing data and the mobile node part having a mobile-copy of the database containing data, the data of the network-copy and the mobile-copy of the first database, respectively, correspond to each other when the network-copy and the mobile-copy of the first database are in match with one another, said ~~apparatus for altering the data of at least one of the network copy and the mobile copy of the database to place the network copy and the mobile copy in match with each other, said apparatus~~ mobile node comprising:

processing circuitry (circuitry) coupled to said mobile-copy database, said circuitry configured to:

i) ~~a hash generator apparatus configured to~~ generate first and second hashes, which are computed ~~by the hash generator~~ using first and second different types of hash techniques respectively, the first hash being formed over at least a first part of the mobile-copy database using the first technique to determine whether the first part of the mobile-copy database is out of match with a corresponding first part of the network-copy database, the second hash being formed by the ~~hash generator~~ circuitry over a sub-part of the first part of the mobile copy database using the second technique upon a determination that the first part of the mobile-copy database and the first part of the network-copy database are out of match; and

ii) ~~a content retriever apparatus configured to~~ retrieve data from the mobile-copy of the database upon determination that the sub part of the at least a first part of the network-copy and the mobile-copy are out of match, the data retrieved by said circuitry from the mobile-copy database ~~content retriever for communication being communicated~~ to the network part, ~~to be used~~ to match the network-copy and the mobile-copy to each other;

wherein the radio communication system provides bi-directional data communications services to said mobile node part, and

wherein data is communicated from the mobile node part to the network part by an up-link and, data is communicated from the network part to the mobile node part by a down-link.

2. (Currently amended) The apparatus of claim 1 wherein said ~~hash generator~~ circuitry generates the first hash responsive to an external triggering event, occurrence of which is detectable at the mobile node part.

3. (Cancelled)

4. (Currently amended) The apparatus of claim 2 wherein said ~~hash generator~~ circuitry generates first-type hashes using said first technique upon detection of an external triggering event, occurrence of which is detectable at the mobile node part and wherein said ~~hash generator~~ circuitry generates second-type hashes using said second technique responsive to determination of mismatch of the first-type hashes, generated by said ~~hash generator~~ circuitry.

5. (Currently amended) The apparatus of claim 4 wherein the data maintained at the network-copy and the mobile-copy of the at least the first database is comprised of data records, each data record formed of fields including at least a first key field and at least a first record field, and wherein the second-type hashes generated by said ~~hash-generator~~ circuitry are formed of values of the at least the first key field.

6. (Original) The apparatus of claim 5 wherein the determination that the network-copy and the mobile-copy are out of match is made responsive to values of the second-type hashes formed of the values of the at least the key field.

7. (Currently amended) The apparatus of claim 5 wherein the data retrieved by said ~~content retriever~~ circuitry comprises both the at least the first key field and the at least the first record field.

8. (Currently amended) The apparatus of claim 1 wherein the circuitry is additionally configured to: further comprising:

iii) a determiner adapted to receive values of hashes generated by a network part hash generator, and said determiner for determining determine whether the values of hashes formed at the network part, correspond with locally-generated values at the mobile node part; and

iv) a requestor coupled to said determiner to receive indications of database mismatches, determinations made thereat, said requestor said circuitry thereafter requesting additional information associated with the mobile-copy of the at least the first database.

9. (Currently amended) The apparatus of claim 8 wherein hashes generated by said network part ~~hash-generator~~ circuitry include said first hash-type and said second hash-type.

10. (Currently amended) The apparatus of claim 8 wherein the additional information requested by said [[requestor]] circuitry comprises a request for the mobile node part to deliver hash information of the second hash-type to [[the]] a comparator.

11. (Currently amended) The apparatus of claim 8 wherein the data maintained at the network-copy and the mobile-copy of the at least the first database is comprised of data records and wherein the additional information requested by said [[requestor]] circuitry comprises a request for the mobile node part to deliver values of at least portions of the data records.

12. (Currently amended) The apparatus of claim 11 further comprising ~~a comparator~~ circuitry adapted to receive the values of the at least the portions of the data records responsive ~~to the request therefor to the mobile node, said comparator for comparing~~ a comparison of the values with corresponding values of the network-copy of the at least the first database.

13. (Currently amended) The apparatus of claim 12 further comprising [[a]] database value updater circuitry, ~~coupled to said comparator, said database value updater operable responsive to comparisons made by said comparator~~ configured to alter at least one data record of a selected one of the mobile-copy and the network-copy of the at least the first database.

14. (Currently amended) The apparatus of claim 13 wherein said database value updater circuitry operates pursuant to a selected conflict resolution protocol.

15. (Currently amended) A method of communicating in a radio communication system having a network part that maintains at least a network-copy of a database containing data and a mobile node that maintains a mobile-copy of the database containing data, the data of the network-copy and the mobile-copy of the first database, respectively, correspond when the network-copy and the mobile-copy of the first database are in match with one another, said method for altering the data of at least one of the network-copy and the mobile-copy of the at least the database to place the network-copy and the mobile-copy in match with each other, said method comprising:

generating a first hash value in the mobile node from the mobile-copy of the [[data base]] database when the network-copy and the mobile copy are suspected of being out of synchronization with each other, said first hash value being formed using a first hash technique;

sending the first hash value from the mobile node to the network part, the first hash value being representative of the mobile-copy of the database;

receiving, at the mobile node, indication of results of a comparison at the network part, of the first hash value sent during said operation of sending, to a corresponding network-copy of the first hash value; and

if said indication of results of the comparison of the first hash value generated at the mobile node to a corresponding network-copy of the first hash value indicates that the mobile-copy database and the network copy database are out of match, thereafter generating a second hash value in the mobile node from a portion of the mobile-copy of the database, the second hash value being formed using a second hash technique that is different from the first technique; and

sending the second hash value from the mobile node to the network part for comparison to a corresponding network-copy of the second hash value;

wherein the radio communication system provides bi-directional data communications services to said mobile node, and

wherein data is communicated from the mobile node to the network part by an up-link and, data is communicated from the network part to the mobile node by a down-link.

16. (Cancelled)

17. (Cancelled)

18. (Previously presented) The method of claim 15 further comprising the operations of delivering portions of the mobile-copy database to the network part, comparing the portions of the mobile copy delivered during said operation of delivering with corresponding portions of the network-copy of the at least the first database, and causing overwriting of the portions of a selected one of the network-copy and the mobile-copy responsive to comparisons made during said operation of comparing the portions of the mobile-copy.

19. (Previously Presented) The method of claim 18 wherein the selected one of the network-copy and the mobile-copy of which the portions thereof are caused to be overwritten is selected according to a conflict resolution scheme.

20. (Previously Presented) The method of claim 19 further comprising the operation of creating a change-history by indicating overwriting of the portions selectively caused during said operation of selectively causing.